



TAURUS
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DUST EXTRACTION DEVICES

Vacumobil 250/300

Dust extractor

5,5/7,5 kW (IE3)

GS/H3 certified

HÖCKER[®]
POLYTECHNIK

Always one idea ahead



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Vacumobil 250/300

Unbeatable benefits across the board.

The innovative mobile dedusters Vacumobil 250 and 300 from HÖCKER POLYTECHNIK set completely new standards of extraction production machines and air pollution control. They captivate by many innovations as regards energy efficiency, unit size, performance characteristics, modularity and flexible application possibilities. Different cleaning procedures (jet and vibration) and discharge systems (collection bins, briquetting presses, rotary valves) as well as performance levels (5,5 and 7,5 kW) offer customized solutions.

As standard the Vacumobils 250 and 300 are driven with motors efficiency class IE3 which guarantees high energy savings and green operation. All models of this type series are of course tested by Employers Liability Insurance Association according to GS-HO 07 and operate exclusively with duly certified filter material. In the range of unit security the innovative mobile dedusters are protected by an automatic fire suppression system, as well as, integrated, explosion proof blowback protection (approved for organic dusts, dust explosion class St1).

Vacumobil J...

- Ideal for continuous operation (option), since jet filter cleaning with low compressed air consumption ensures effective filter regeneration and long filter life.

Vacumobil V...

- For installation in the shop, also for explosion-prone dust-air mixtures and intermittent processes; during breaks, the system gently cleans the filters by means of vibration without the use of compressed air.



Fig. above:
Vacumobil VP 250
with vibrations cleaning and briquetting press

Fig. below:
PLC-control, automatic fire suppression system



Safety with a capital S

The Vacumobil is delivered ready for connection with phase change plug and can, thanks to the integrated automatic fire suppression system, be installed in the working area without further fire protection measures.

An integrated FSA-tested blowback protection secures in the area of raw air inlet the explosion decoupling and escape of dust. The rotary valves of Vacumobil JZ and VZ are pressure shock resistant and flameproof (tested Dekra-EXAM).



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Fig. above:
Vacumobil VZ 250,
with vibrations cleaning and rotary valve



Fig. above:
Vacumobil JT 300
with compressed air-impulse cleaning

Advantages

- Installation in the work area allowed (depending on type of dust)
- Low residual dust content $<0.1 \text{ mg/m}^3$ (H3) acc. to TRGS 553
- 100% utilization of heat energy through air return
- Large filling capacity of 3 to 4 tons
- Online-cleaning available (supplementary charge)
- Height $<2.5 \text{ m}$
- PLC-control system with automatic switch on
- Drive Efficiency Class IE3
- Automatic filter cleaning
- Integrated automatic fire suppression system
- Tested blowback protection integrated
- Pressure relief not required for St1 dusts
- BG-approved filter material (filtration efficiency 99.95%)
- Low energy consumption and high suction performance

Small lexicon

JT = Jet-cleaning / collection bins (tons)

VT = Vibration cleaning / collection bins (tons)

JP = Jet-cleaning / briquetting press

VP = Vibrations cleaning / briquetting press

JZ = Jet-cleaning / rotary valve

VZ = Vibration cleaning / rotary valve

| | Vacumobil JT 250 | Vacumobil VT 250 | Vacumobil JT 300 | Vacumobil VT 300 |
|-------------------------------|-----------------------------------|--|-----------------------------------|--|
| Suction connection diameter | 250 mm | 250 mm | 300 mm | 300 mm |
| Engine-rating | 5,5 kW / 400 V / 50 Hz (IE 3) | 5,5 kW / 400 V / 50 Hz (IE 3) | 7,5 kW / 400 V / 50 Hz (IE 3) | 7,5 kW / 400 V / 50 Hz (IE 3) |
| Filter area | ca. 20,5 m ² | ca. 20,5 m ² | ca. 28 m ² | ca. 28 m ² |
| Nom. Volume Flow (V Nom) | 3.535 m ³ /h at 20 m/s | 3.535 m ³ /h at 20 m/s | 5.100 m ³ /h at 20 m/s | 5.100 m ³ /h at 20 m/s |
| Max. Volume Flow (V Max) | 5.500 m ³ /h | 5.500 m ³ /h | 6.000 m ³ /h | 6.000 m ³ /h |
| Vacuum generated V Nom** | ca. 3.400 Pa | ca. 3.400 Pa | ca. 3.200 Pa | ca. 3.200 Pa |
| Vacuum generated V Max** | ca. 3.000 Pa | ca. 3.000 Pa | ca. 2.700 Pa | ca. 2.700 Pa |
| Collection Volume | ca. 495 Liter max. | ca. 495 Liter max. | ca. 495 Liter max. | ca. 495 Liter max. |
| Maximum sound pressure level* | ≤ 73 dB(A) | ≤ 73 dB(A) | ≤ 75 dB(A) | ≤ 75 dB(A) |
| Measurements (L x W x H) | 2.750 x 1.030 x 2.500 mm | 2.650 x 1.030 x 2.500 mm | 3.210 x 1.030 x 2.500 mm | 3.070 x 1.030 x 2.500 mm |
| Weight | ca. 740 kg | ca. 720 kg | ca. 900 kg | ca. 880 kg |
| Dedusting | Pressurized air (offline)*** | Vibration (automatically with added running times) | Pressurized air (offline)*** | Vibration (automatically with added running times) |
| Blast gate control | optional | optional | optional | optional |

* Measured according to the EU Machinery Directive subject to free field conditions with 1 m distance of 1.6 m height ** in delivery status – non-impinged filter hoses

*** online cleaning optional (in case of explosive dust – air mixtures only permissible with further protective measures)